

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1 (currently amended): A method for recovering a budded baculovirus expressing an intracellular organelle unfused membrane-bound protein selected from a membrane-bound enzyme, a substrate of the membrane-bound enzyme, a membrane-bound enzyme activator, a membrane-bound transport protein, a channel protein, a membrane structural protein, or a protein involved in formation of high dimensional structure of a protein comprising culturing a host infected with at least one recombinant baculovirus which contains a gene encoding said protein, expressing said unfused protein in a budded baculovirus released from said host, and separating the budded baculovirus.

Claim 2 (currently amended): A method for preparing an intracellular organelle unfused membrane-bound protein which comprises:

culturing a host infected with a recombinant baculovirus which contains a gene encoding [[a]] an unfused protein selected from a membrane-bound enzyme, a substrate of the membrane-bound enzyme, a membrane-bound enzyme activator, a membrane-bound transport protein, a channel protein, a membrane structural protein, or a protein involved in formation of high dimensional structure of a protein;

recovering a budded baculovirus released from said host; and

P21128.A11

recovering the unfused protein expressed from said budded baculovirus.

Claim 3 (currently amended): The method of claim 1 wherein the unfused protein selected from a membrane-bound enzyme, a substrate of the membrane-bound enzyme, a membrane-bound enzyme activator, a membrane-bound transport protein, a channel protein, a membrane structural protein, or a protein involved in formation of high dimensional structure of a protein is [[a]] an unfused membrane-bound protein of a cell organelle.

Claim 4 (currently amended): The method of claim 2 wherein the unfused protein selected from a membrane-bound enzyme, a substrate of the membrane-bound enzyme, a membrane-bound enzyme activator, a membrane-bound transport protein, a channel protein, a membrane structural protein, or a protein involved in formation of high dimensional structure of a protein is [[a]] an unfused membrane-bound protein of a cell organelle.

Claim 5 (currently amended): The method of claim 1 wherein the unfused protein selected from a membrane-bound enzyme, a substrate of the membrane-bound enzyme, a membrane-bound enzyme activator, a membrane-bound transport protein, a channel protein, a membrane structural protein, or a protein involved in formation of high dimensional structure of a protein is SREBP2, HMG-CoA reductase, S1P, or SREBP cleavage activating protein.

Claim 6 (currently amended): The method of claim 2 wherein the unfused protein selected from a membrane-bound enzyme, a substrate of the membrane-bound enzyme, a membrane-bound enzyme activator, a membrane-bound transport protein, a channel protein, a membrane structural protein, or a protein involved in formation of high dimensional structure of a protein is SREBP2, HMG-CoA reductase, S1P, or SREBP cleavage activating protein.

P21128.A11

Claim 7 (original): The method of claim 1 wherein the host is an insect cell or an insect larva.

Claim 8 (original): The method of claim 2 wherein the host is an insect cell or an insect larva.

Claims 9 – 14 (canceled)

Claim 15 (currently amended): The method of claim 1, wherein the unfused protein is an Endoplasmic Reticulum-associated protein.

Claim 16 (currently amended): The method of claim 1, wherein the unfused protein is an Golgi Apparatus-associated protein.

Claim 17 (currently amended): The method of claim 2, wherein the unfused protein is an Endoplasmic Reticulum-associated protein.

Claim 18 (currently amended): The method of claim 2, wherein the unfused protein is an Golgi Apparatus-associated protein.

Claim 19 (currently amended): The method of claim 1, wherein the unfused protein is SREBP2, HMG-CoA reductase, S1P, or SREBP cleavage activating protein.

Claim 20 (currently amended): The method of claim 2, wherein the unfused protein is SREBP2, HMG-CoA reductase, S1P, or SREBP cleavage activating protein.

Claim 21 (currently amended): A method for recovering a budded baculovirus expressing a non-receptor unfused protein selected from a membrane-bound enzyme, a substrate of the membrane-bound enzyme, a membrane-bound enzyme activator, a membrane-bound transport protein, a channel protein, a membrane structural protein, or a protein involved in formation of

P21128.A11

high dimensional structure of a protein comprising culturing a host infected with at least one recombinant baculovirus which contains a gene encoding said protein, expressing said unfused protein in a budded baculovirus released from said host, and separating the budded baculovirus.

Claim 22 (currently amended): The method of claim 21, wherein the unfused protein is an Endoplasmic Reticulum-associated protein.

Claim 23 (currently amended): The method of claim 21, wherein the unfused protein is an Golgi Apparatus-associated protein.

Claim 24 (currently amended): The method of claim 21, wherein the unfused protein is SREBP2, HMG-CoA reductase, S1P, or SREBP cleavage activating protein.

Claim 25 (currently amended): A method for preparing a non-receptor unfused protein which comprises:

culturing a host infected with a recombinant baculovirus which contains a gene encoding [[a]] an unfused protein selected from a membrane-bound enzyme, a substrate of the membrane-bound enzyme, a membrane-bound enzyme activator, a membrane-bound transport protein, a channel protein, a protein involved in antigen presentation, or a protein involved in formation of high dimensional structure of a protein;

recovering a budded baculovirus released from said host; and

recovering the unfused protein expressed from said budded baculovirus.

Claim 26 (currently amended): The method of claim 25, wherein the unfused protein is an Endoplasmic Reticulum-associated protein.

P21128.A11

Claim 27 (currently amended): The method of claim 25, wherein the unfused protein is an Golgi Apparatus-associated protein.

Claim 28 (currently amended): The method of claim 25, wherein the unfused protein is SREBP2, HMG-CoA reductase, S1P, or SREBP cleavage activating protein.